

**IN THE ABSTRACT**

Please amend the Abstract as follows:

~~To propose a~~ A digital signal processing method and learning method and devices therefor, and a program storage medium which are capable of further improving the waveform reproducibility of a digital signal. Self correlation coefficients ~~D40 and D41~~ are calculated ~~respectively~~ by cutting parts out of the digital signal ~~D10~~ by multiple windows having different sizes, and the parts are classified based on the calculation results ~~D15~~ of the self correlation coefficients. ~~D40 and D41 and then,~~ Then, the digital signal ~~D10~~ is converted by the prediction method corresponding to the classified class, so that the conversion further suitable for the features of the digital signal ~~D10~~ can be conducted.